

FIG.1

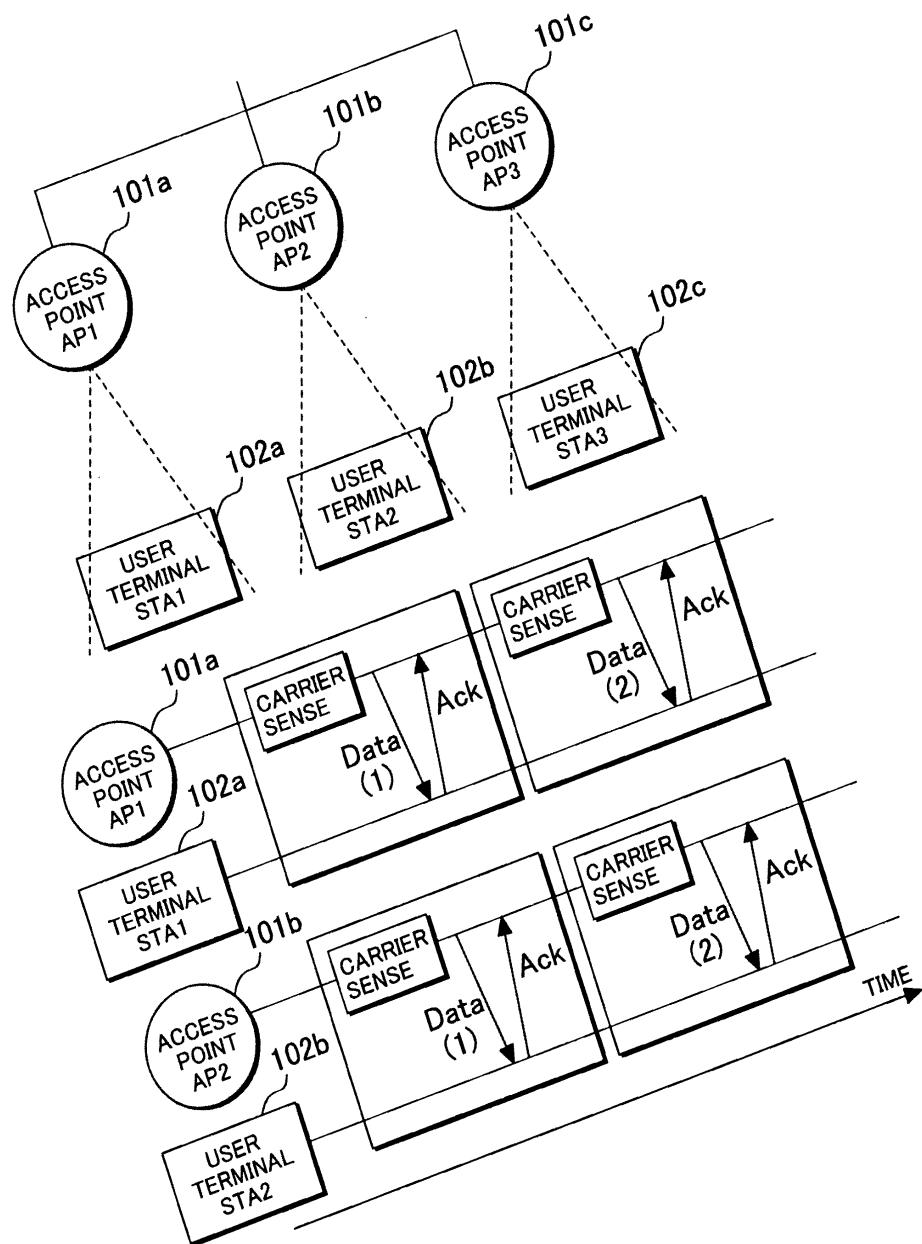


FIG.2

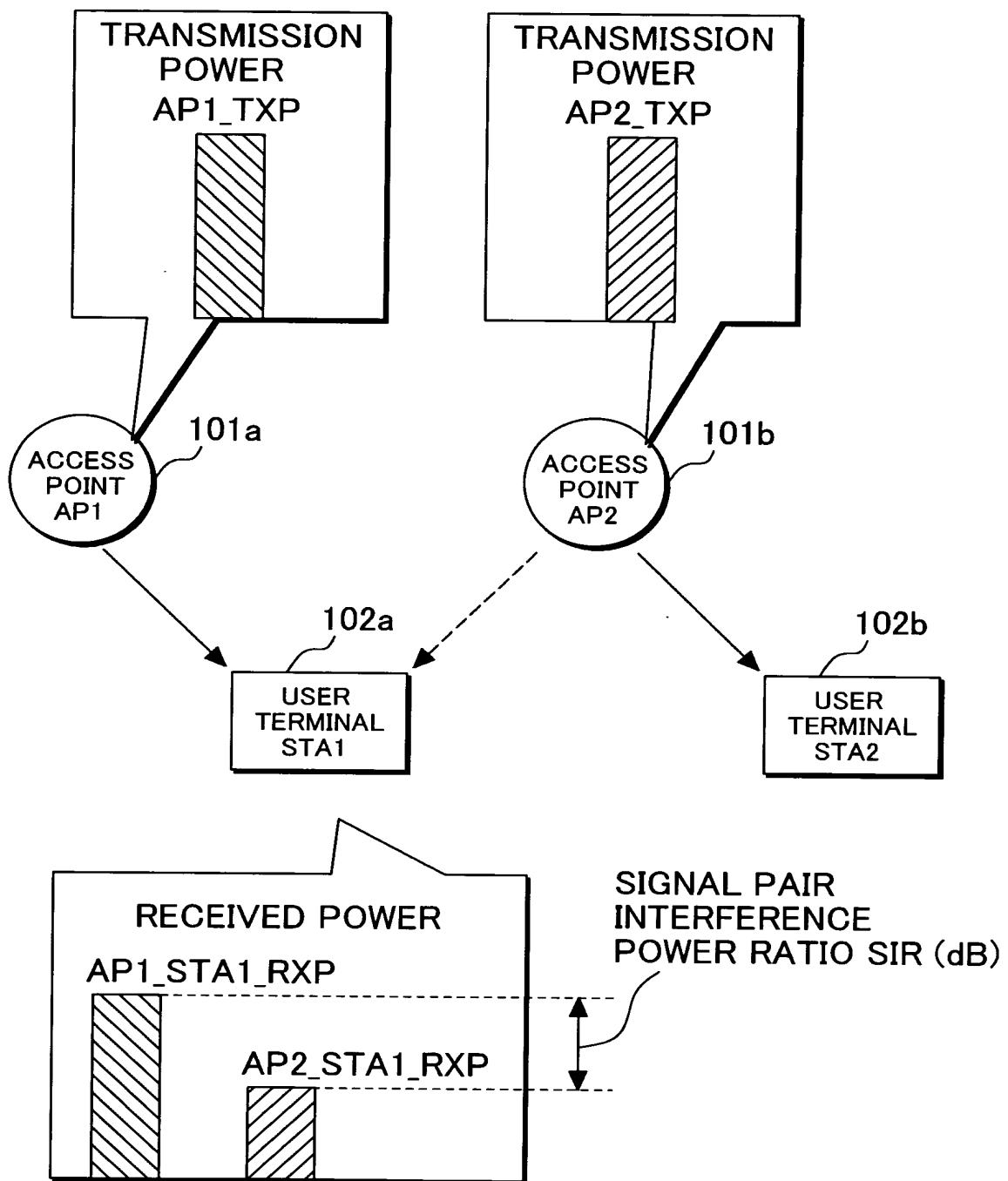


FIG.3

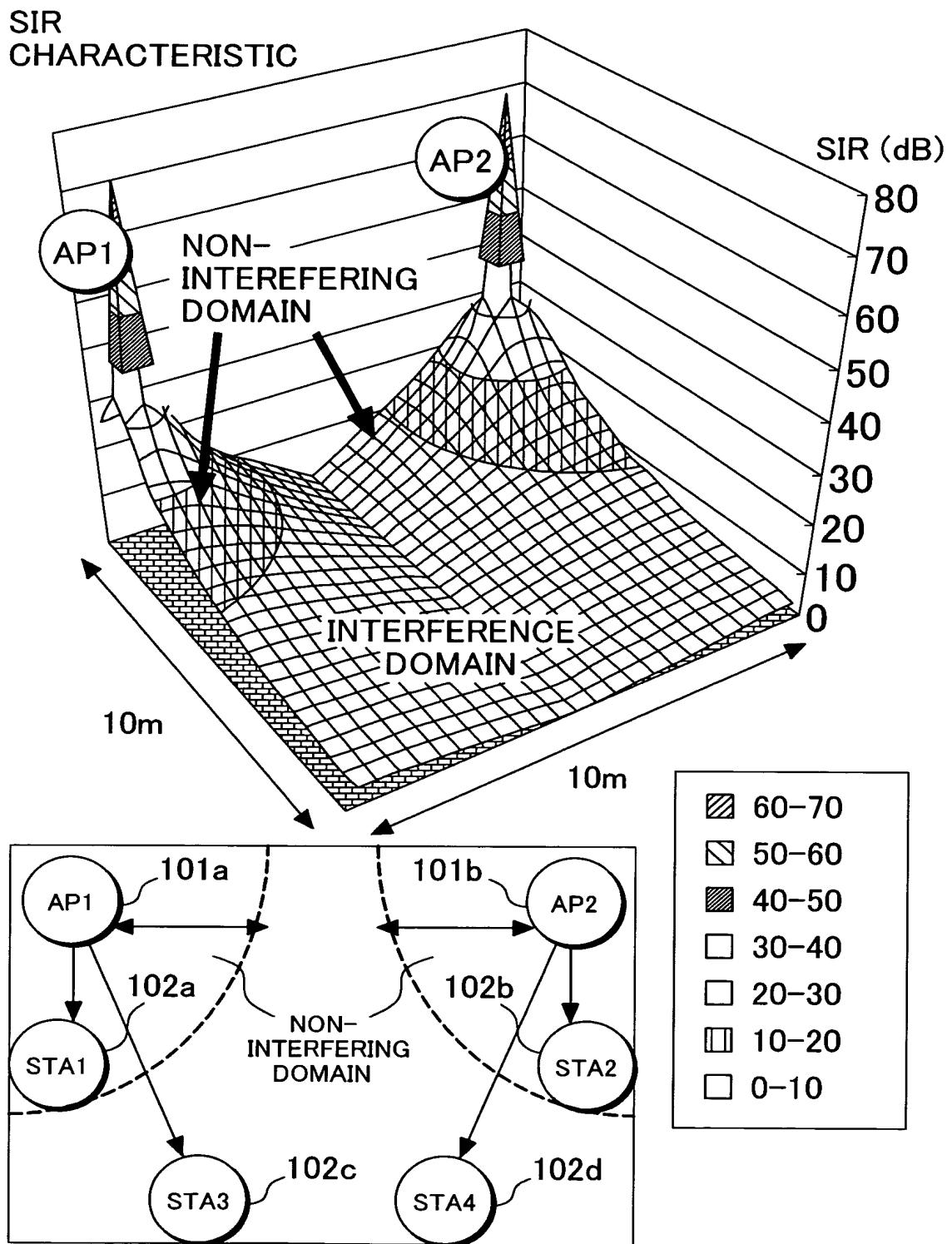


FIG.4

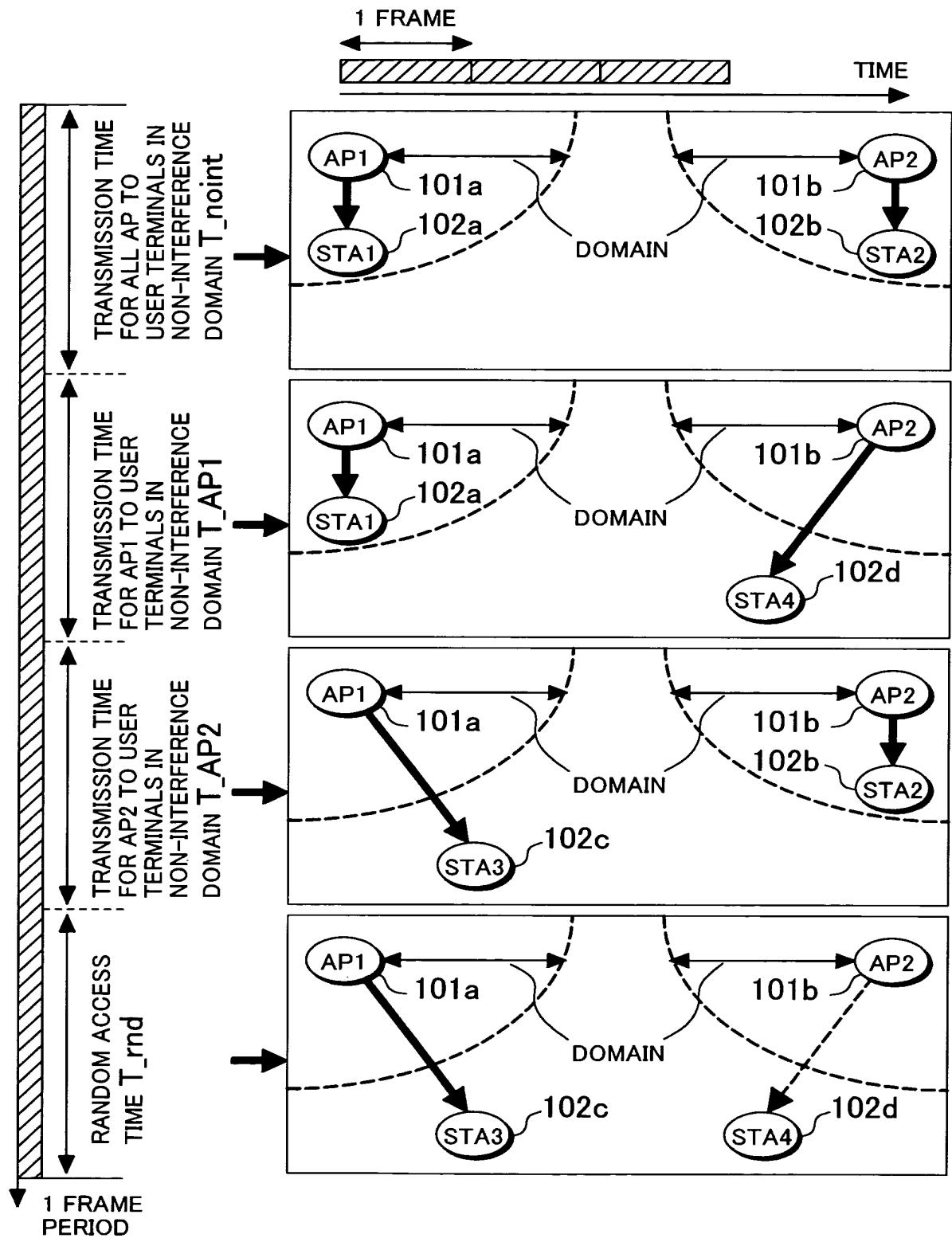


FIG.5

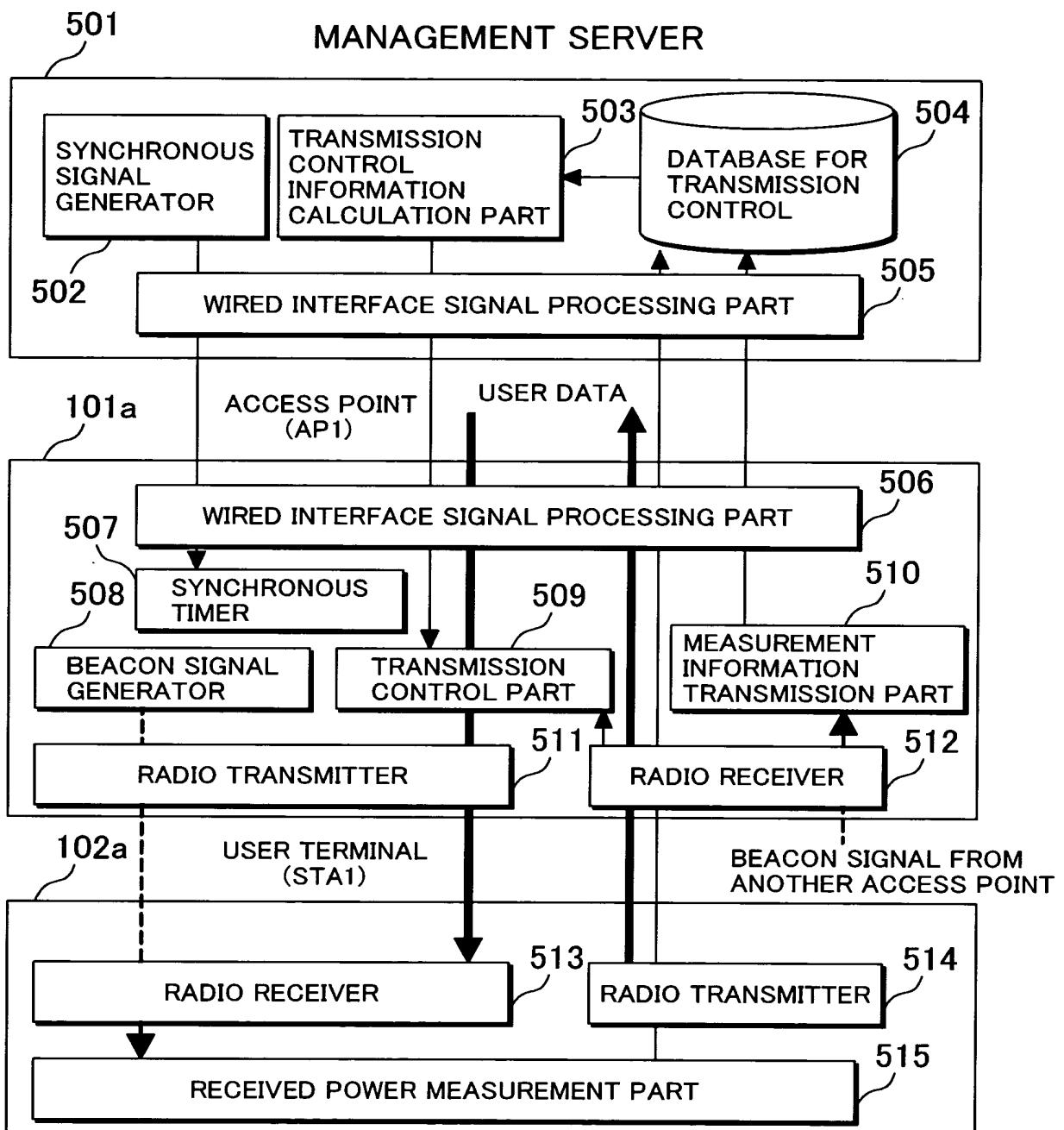


FIG.6

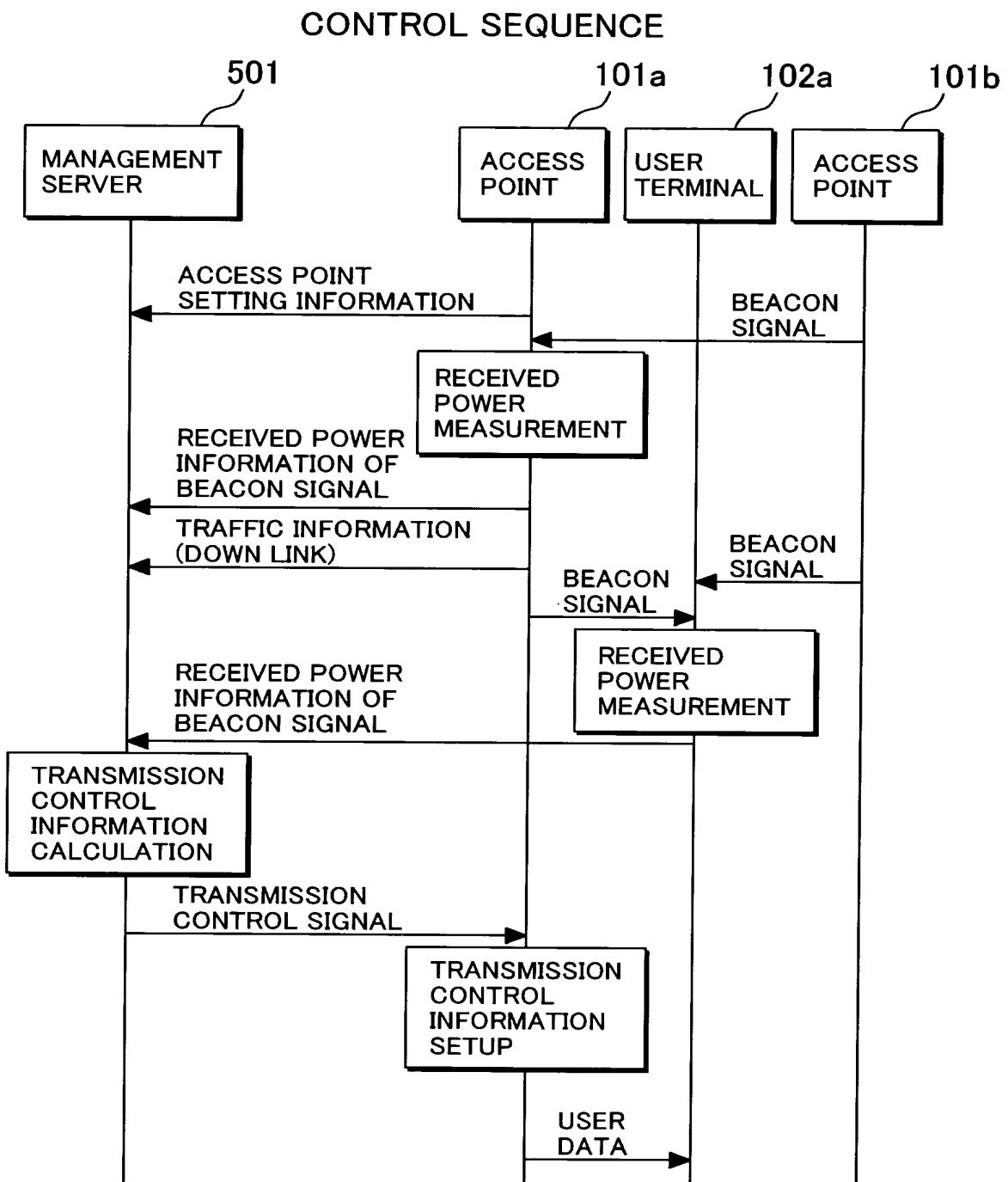


FIG.7

DATABASE INFORMATION FOR TRANSMISSION CONTROL

(1) ACCESS POINT SETTING INFORMATION

	TRANSMISSION POWER OF BEACON SIGNAL	CARRIER SENSE THRESHOLD
AP 1	15 dBm	-94 dBm
AP i	AP i_Btxp	AP i_CSthr
AP X	15 dBm	-90 dBm

(2) RECEIVED POWER INFORMATION OF BEACON SIGNAL OF ACCESS POINTS

	AP 1	..	AP i	AP X
AP 1	-			-94 dBm
AP j			AP i_AP j_Brxp	
AP X	-94 dBm			-

(3) RECEIVED POWER INFORMATION OF BEACON SIGNAL OF USER TERMINALS

	AP 1	..	AP i	AP X
STA 1	-65 dBm			-94 dBm
STA j			AP i_STA j_Brxp	
STA X	-94 dBm			-62 dBm

(4) TRAFFIC INFORMATION OF ACCESS POINTS (DL)

	STA 1	..	STA j	STA X
AP 1	8 kbit/s			250 kbit/s
AP i			AP i_STA j_TRA	
AP X	100 kbit/s			100 kbit/s

FIG.8

ALGORITHM OF TRANSMISSION CONTROL INFORMATION
CALCULATION PART OF A MANAGEMENT SERVER
(STEP1: TRANSMISSION POWER CALCULATION)

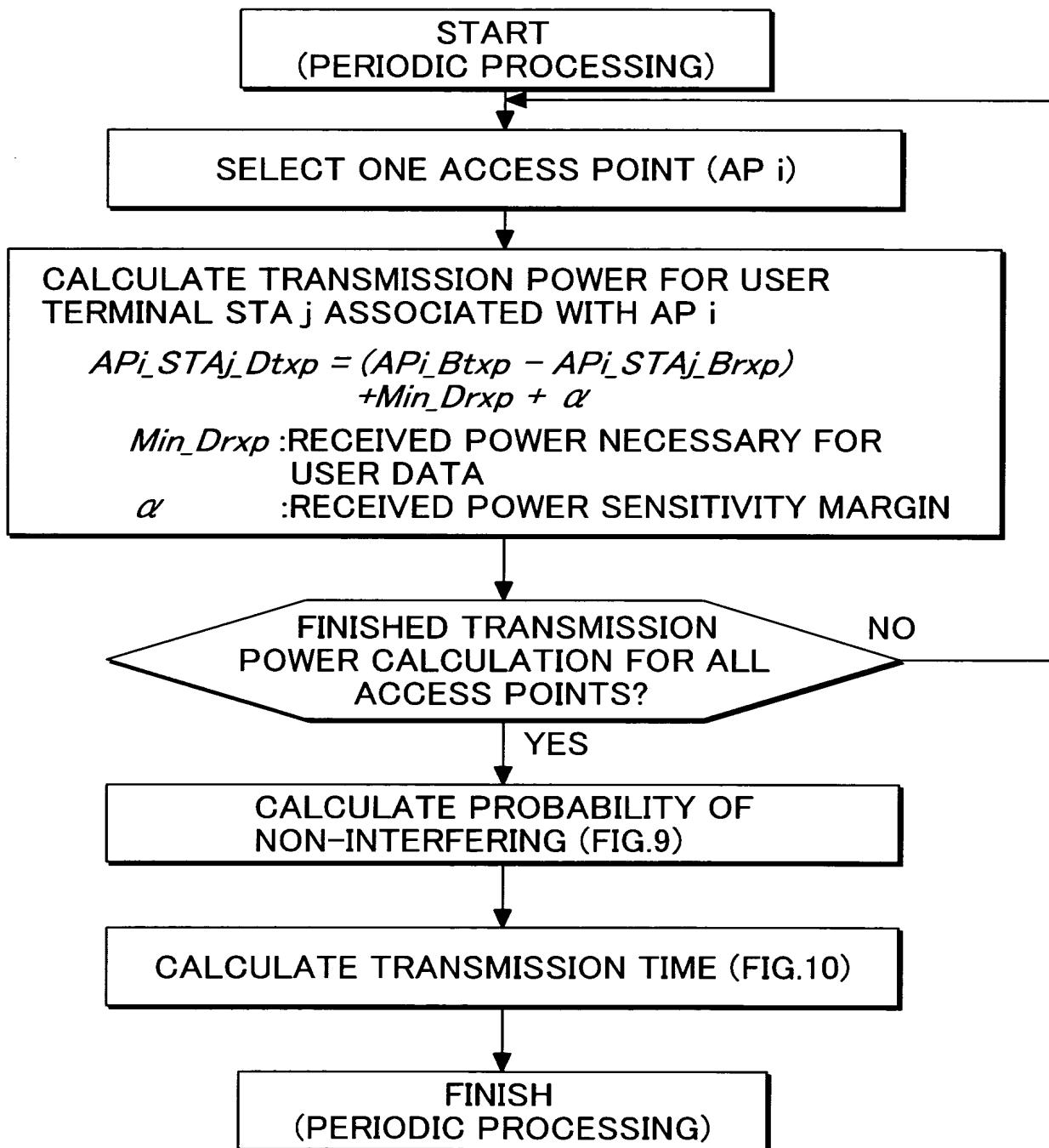


FIG.9

ALGORITHM OF TRANSMITTING CONTROL
INFORMATION CALCULATION PART
(STEP2: CALCULATE PROBABILITY OF NON-INTERFERENCE)

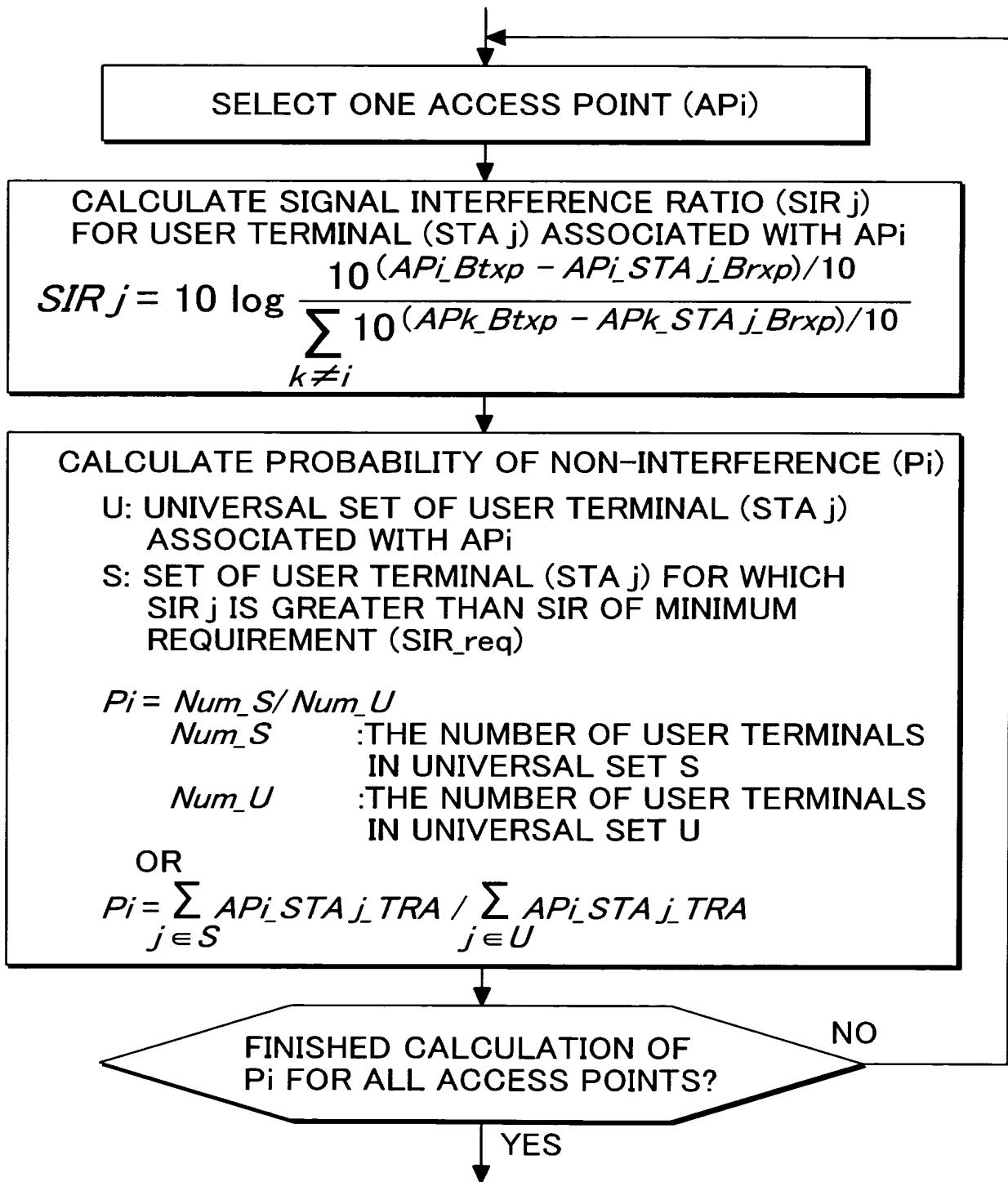


FIG.10

ALGORITHM OF TRANSMITTING CONTROL INFORMATION CALCULATION PART
(STEP3: CALCULATE TRANSMISSION TIME)

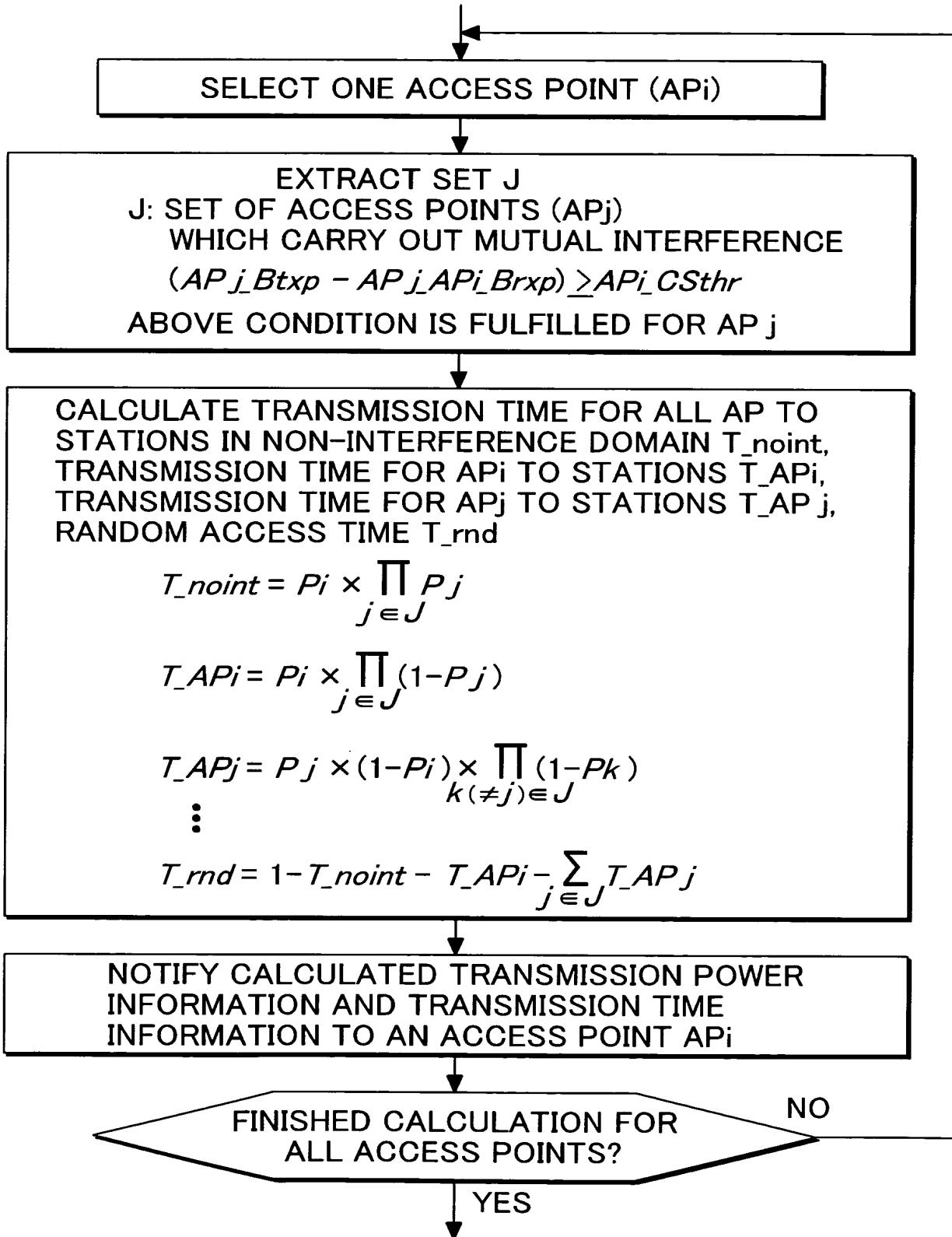


FIG.11

TRANSMITTING CONTROL SIGNAL INFORMATION FROM A MANAGEMENT SERVER TO AN ACCESS POINT

1 CONTROL FRAME PERIOD (T_{frame})				
TRANSMISSION TIME FOR ALL AP TO STATIONS IN NON-INTERFERENCE DOMAIN (T_{noint})				
THE NUMBER OF ACCESS POINTS WHICH CARRY OUT MUTUAL INTERFERENCE				
AP1 ID	TRANSMISSION TIME FOR AP1 T_{AP1}			
AP2 ID	TRANSMISSION TIME FOR AP2 T_{AP2}			
RANDOM ACCESS TIME (T_{rnd})				
THE NUMBER OF USER TERMINALS (STA_Num)				
SIR OF MINIMUM REQUIREMENT (SIR_req)				
STA1 ID	SIR 1	TRANSMISSION POWER AP1_STA1_Dtxp		
STA3 ID	SIR 3	TRANSMISSION POWER AP1_STA3_Dtxp		

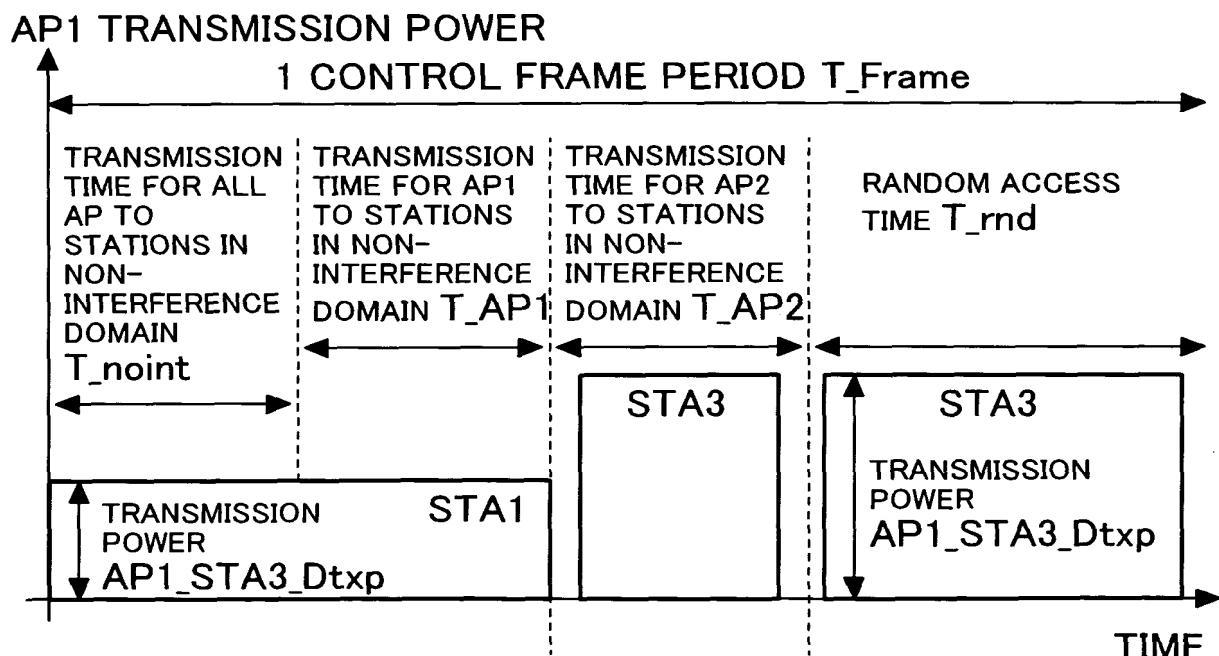
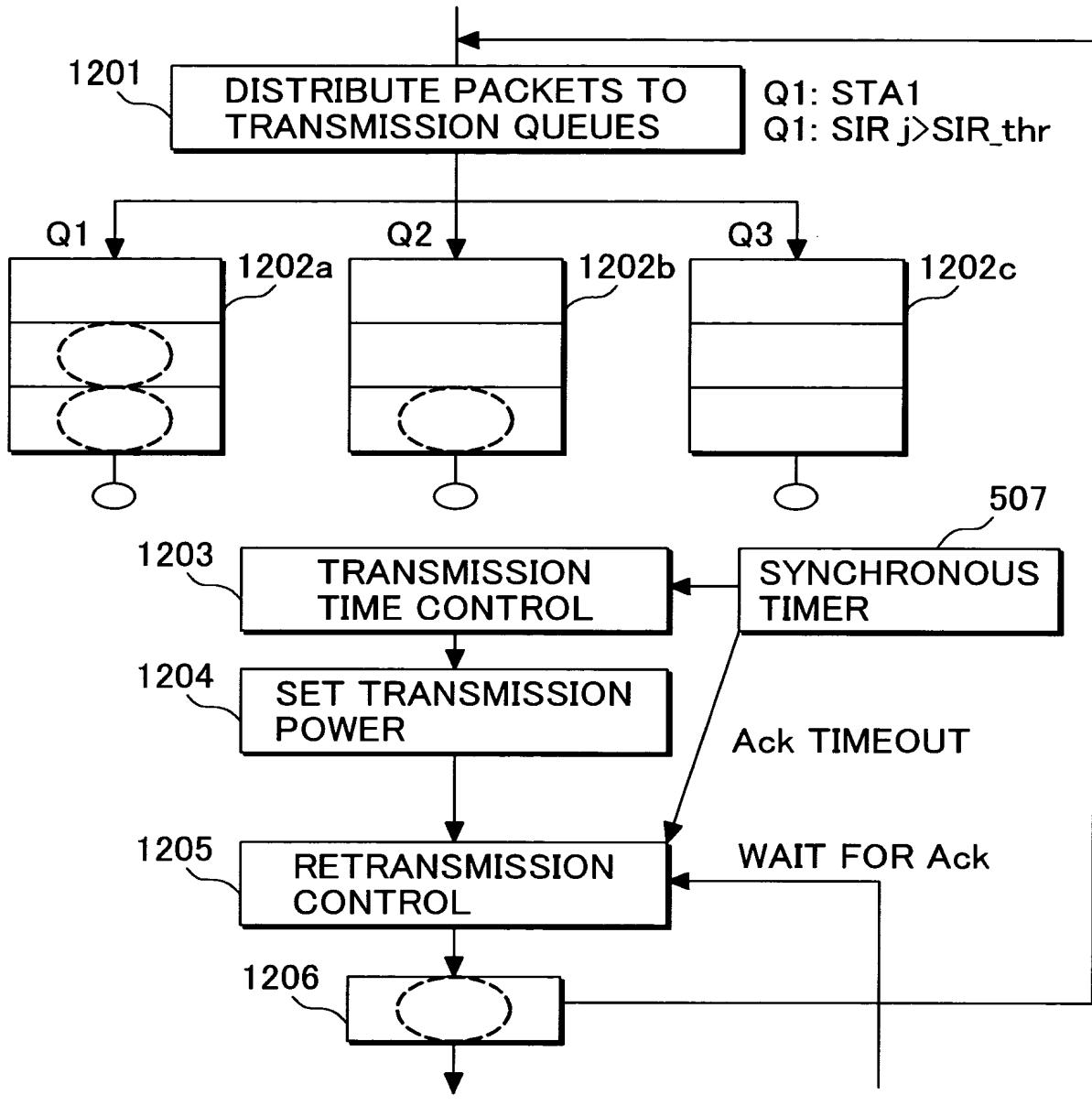


FIG.12

TRANSMISSION CONTROL PART OF ACCESS POINT



RADIO RECEIVER 512

FIG.13

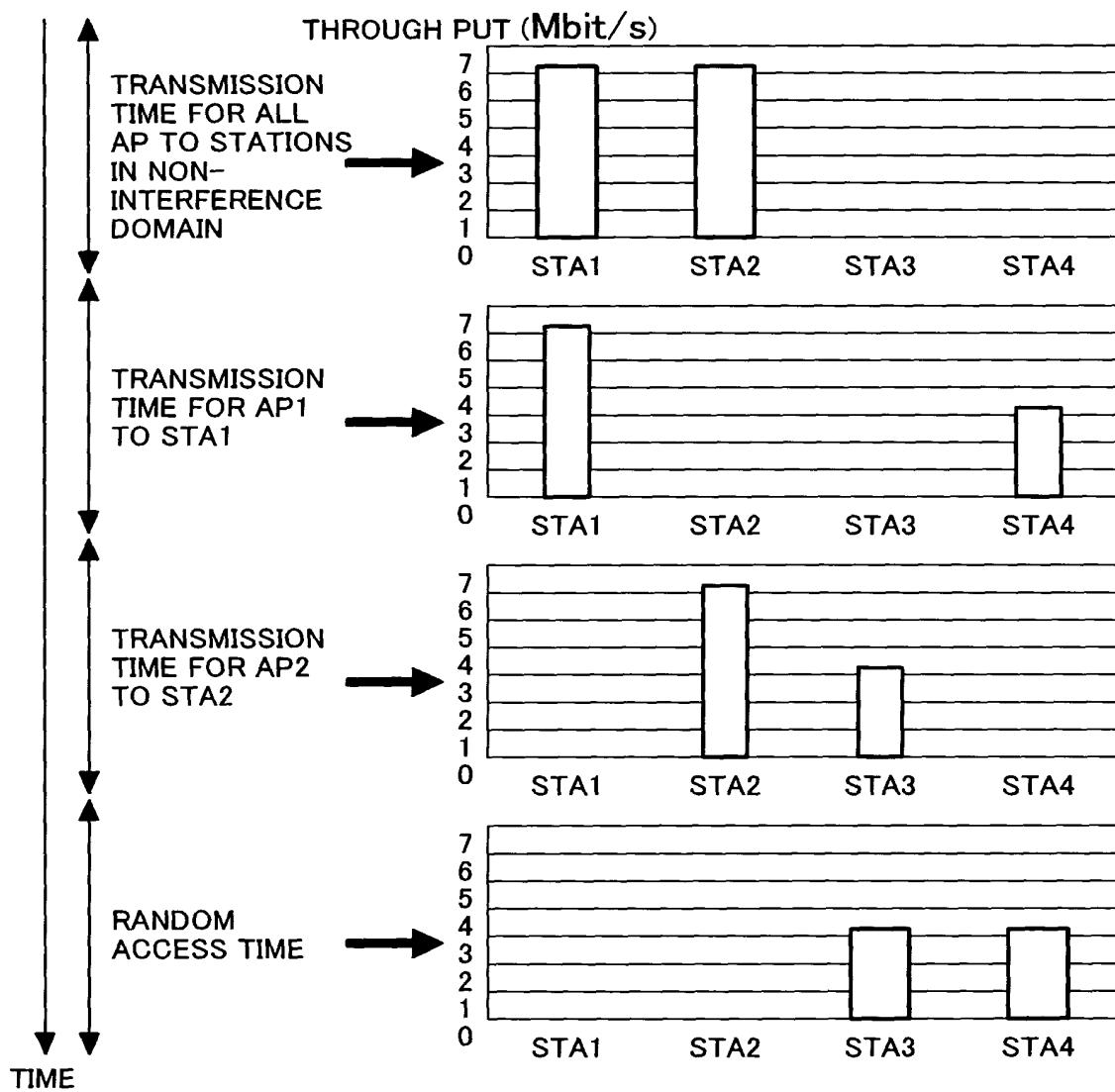
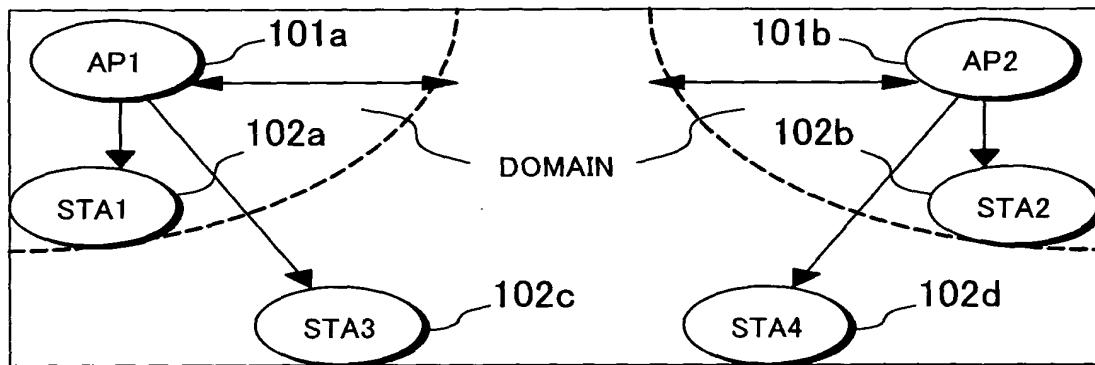
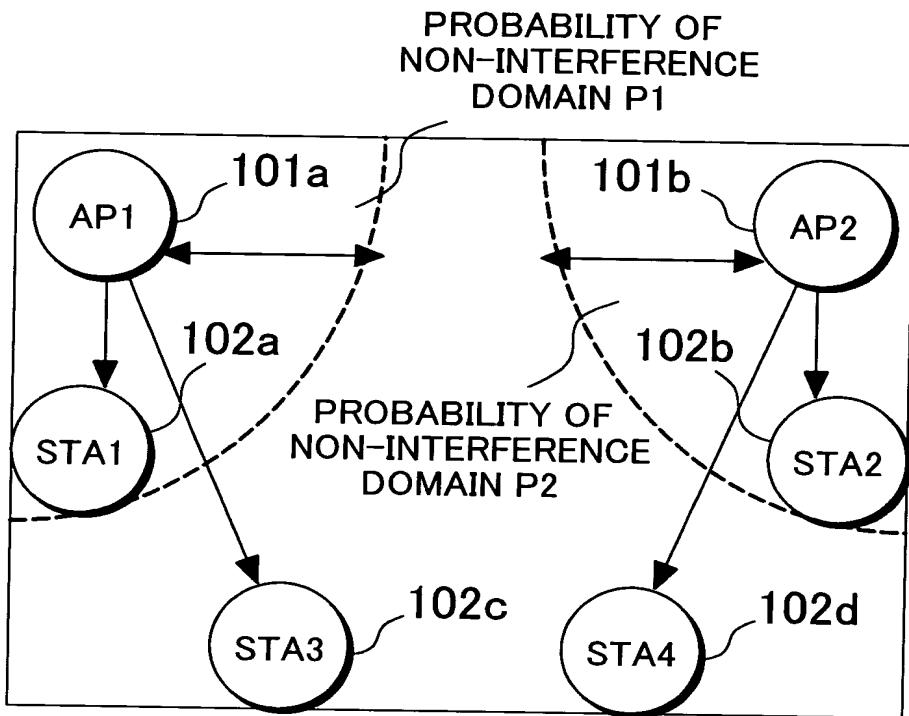
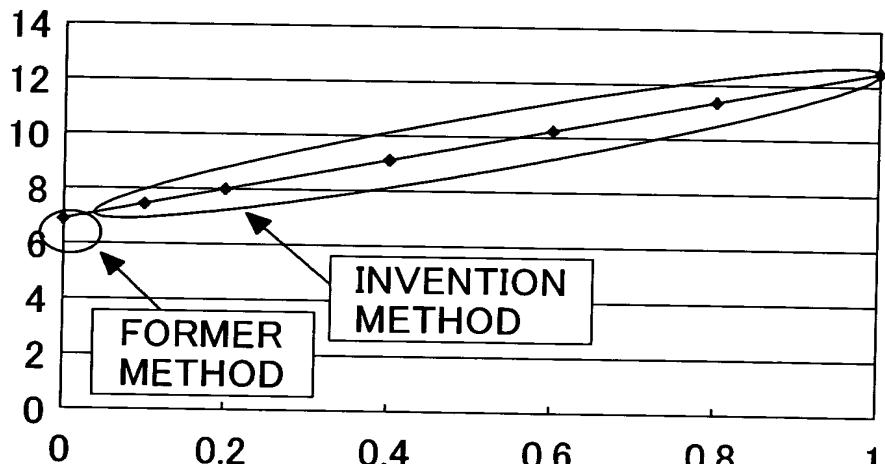


FIG.14



THE EFFECT AT THE TIME OF 2 PARALLEL TRANSMISSIONS

SYSTEM THROUGHPUT (Mbit/s)



PROBABILITY OF NON-INTERFERING ($P1=P2$)